PATENT USA.263-1

Amendment to the claims:

Claim 1. (Currently Amended): A formulation for enhancing the surface appearance of an infiltrated metal or metal/ceramic composite part comprising:

- (a) a solvent;
- (b) an organometallic binding agent;
- (c) zirconium dioxide; and
- (d) at least one polymer selected from the group consisting of poly(styrene-co-maleic acid), partial sec-butyl/methyl mixed ester; poly(styrene-co-maleic acid), partial 2-butoxy/ethyl mixed ester; and poly(styrene-co-maleic acid), propyl ester, the polymer comprising between about 0.5% to about 4% by weight in the solvent.

Claim 2. (Original): The formulation according to claim 1 wherein the binding agent is selected from the group consisting of titanate and zirconate, and combinations thereof.

Claim 3. (Canceled)

Claim 4. (Currently Amended): The formulation according to claim 3 claim 1 wherein the at least one polymer is poly(styrene-co-maleic acid), partial sec-butyl/methyl mixed ester.

Claim 5. (Currently Amended): The formulation according to claim 3 claim 1 wherein the solvent is acctone.

Claim 6. (Currently Amended): A formulation for coating the surface of an infiltrated metal or metal/ceramic composite part, the improvement comprising adding to zirconium dioxide at least one of an organometallic binding agent or agent and at least one polymer selected from

the group consisting of poly(styrene-co-malcic acid), partial sec-butyl/methyl mixed ester; poly(styrene-co-malcic acid), partial 2-butoxy/ethyl mixed ester; and poly(styrene-co-malcic acid), propyl ester.

Claim 7. (Original): The formulation of claim 6 wherein the at least one binding agent is selected from the group consisting of titanate and zirconate, and combinations thereof.

Claim 8. (Canceled)

Claim 9. (Currently Amended): The formulation according to claim 8 claim 6 wherein the at least one polymer is poly(styrenc-co-maleic acid), partial sec-butyl/methyl mixed ester.

Claim 10. (Original): The formulation according to claim 6 further comprising a solvent.

Claim 11. (Original): The formulation according to claim 10 wherein the solvent is acetone.

Claim 12. (Withdrawn): A method of inhibiting infiltrant-bleed-through in a metal or metal/ceramic composite part comprising:

- (a) forming a green part;
- (b) coating the part with a surface enhancing formulation; and
- (c) infiltrating the part with a metal infiltrant.

Claim 13. (Withdrawn): The method of claim 12 further comprising using a formulation to coat the green part comprising a solvent, an organometallic binding agent, zirconium dioxide, and at least one polymer.

Claim 14. (Withdrawn): The method of claim 13 further comprising using a binding agent selected from the group consisting of titanate and zirconate, and combinations thereof.

Claim 15. (Withdrawn): The method of claim 13 further comprising using a polymer selected from the group consisting of polystyrene; two-part epoxy; polymethylmethacrylate; polyvinylacetate; polybutylmethacrylate; polyethymethacrylate; poly(t-butylacrylate-coethylacrylate-co-methylacrylate); poly(styrene-coethylacrylate-co-methylacrylate); poly(styrene-co-maleic acid), partial 2-butoxy/cthyl ester; poly(styrene-co-maleic acid), propyl ester; poly(methylvinylether-alt-maleic acid); and poly (ethylene-co-methylacrylate-co-acrylic acid).

Claim 16. (Withdrawn): The method of claim 13 further comprising using poly(styrene-co-maleic acid), partial sec-butyl/methyl ester as the polymer.

Claim 17. (Withdrawn): The method of claim 13 further comprising using acctone as the solvent.